Title: Method for Treating Multi-Drug Resistant Tumors Inventors: Zalipsky & Gabizon Docket No. 55325-8167.US06 Judy M. Mohr, Perkins Cole LLP P.O. Box 2168, Menlo Park, CA 94026

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OH OH 
$$H_2O_2$$
 OH  $S-S$  OH OH  $R$  (e.g.,  $R=CH_3(CH_2)_{16}COH$ )

RO OR  $S-S$  OR OR  $RO$  OR  $S-S$  OH  $RO$  OR  $S-S$  OH  $RO$  OR  $RO$  OR

Fig. 1

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$$R'' \longrightarrow 0$$
 $S \longrightarrow S$ 
 $IV$ 
 $H_2N \longrightarrow Drug$ 
 $R'' \longrightarrow 0$ 
 $S \longrightarrow S$ 
 $S \longrightarrow O$ 
 $H^{\oplus}$ 
 $S \longrightarrow S$ 
 $S \longrightarrow O$ 
 $S \longrightarrow S$ 
 $S \longrightarrow O$ 
 $S \longrightarrow O$ 

Fig.

$$R'' - SH$$

Fig. 2B

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H<sub>35</sub>C<sub>17</sub>O S S OH 1. CCl<sub>2</sub>O, toluene

C<sub>17</sub>H<sub>35</sub> IV 2. Mitomycin C (XVII),
DMAP, DMF

## Fig. 3A

Fig. 3B

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·CH<sub>3</sub> ·CH<sub>3</sub>  $CH_3$ CH<sub>3</sub> 2. CH<sub>3</sub>COSK / DMF 3. Hydrolysis XIV CH<sub>3</sub> CH<sub>3</sub> Cl<sub>2</sub>CO Mitomycin C (XVII) CH<sub>3</sub> OCH<sub>3</sub>

Fig. 4

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Fig. 5

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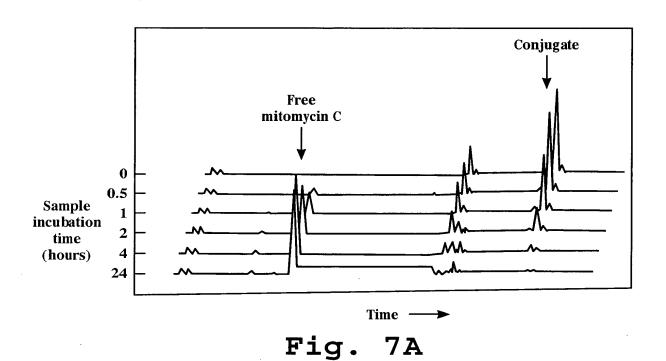
Fig. 6A

Fig. 6B

$$\begin{array}{c|c} & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$$

Fig. 6C

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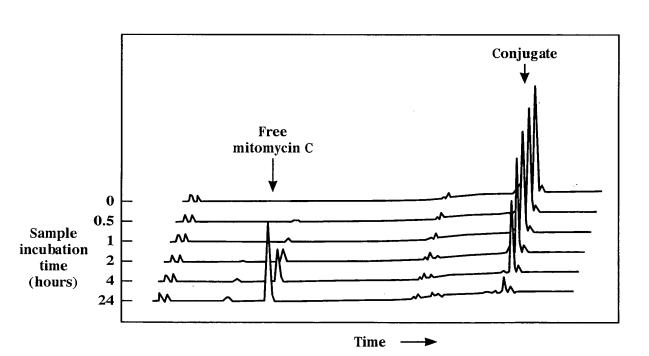


Fig. 7B

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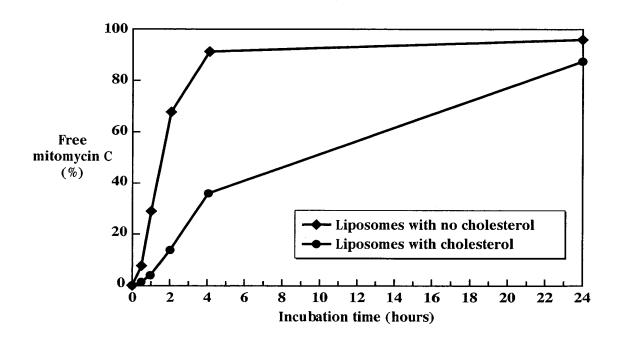


Fig. 8

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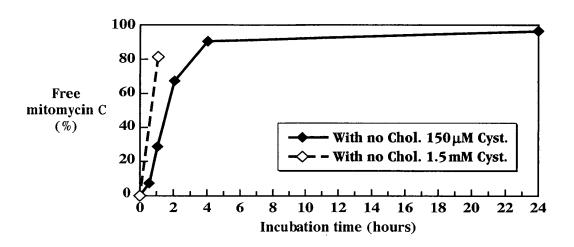


Fig. 9A

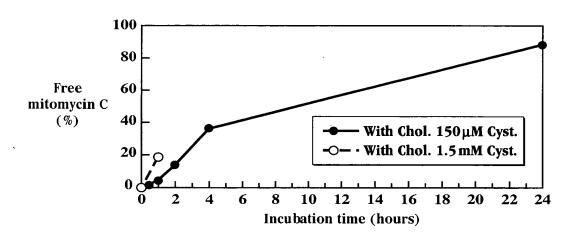


Fig. 9B

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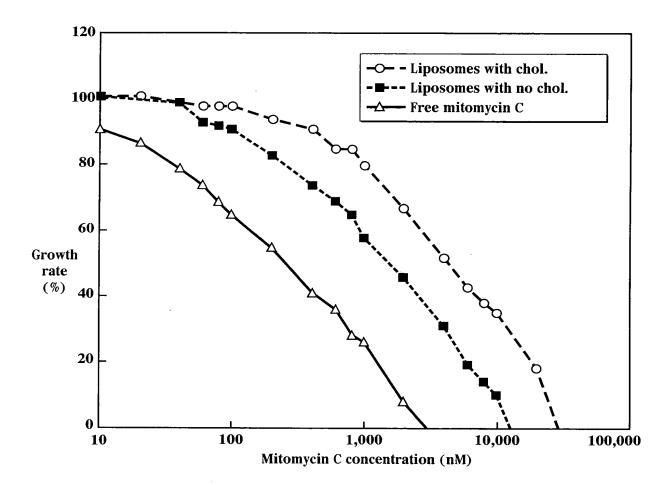


Fig. 10

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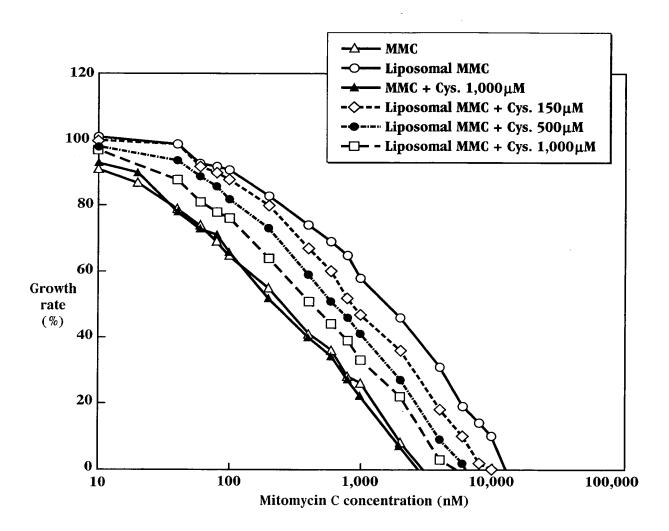


Fig. 11A

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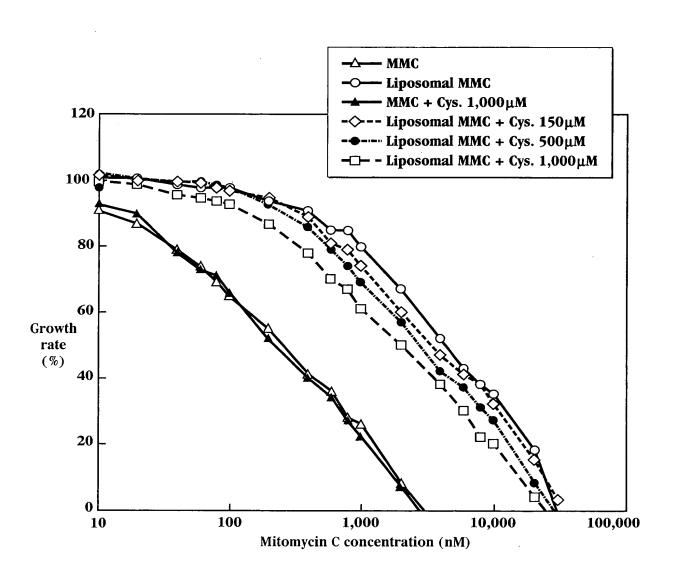


Fig. 11B

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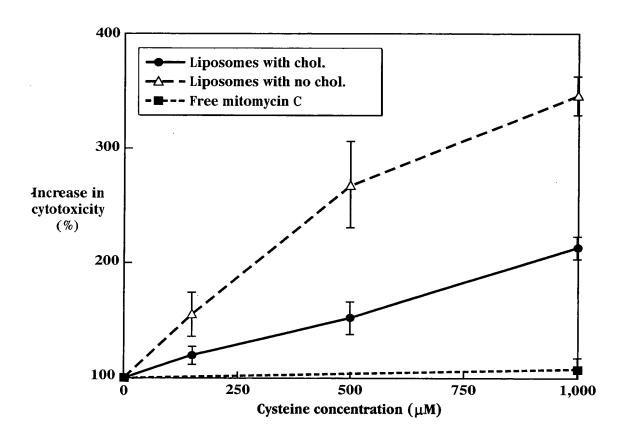


Fig. 12

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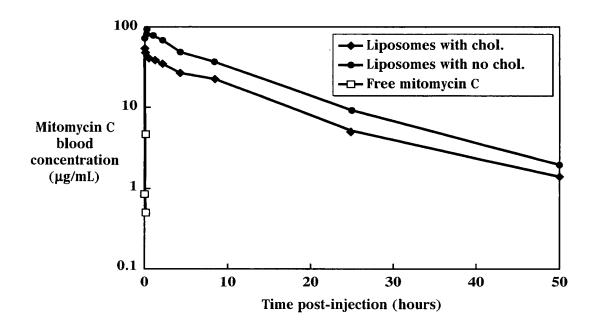


Fig. 13A

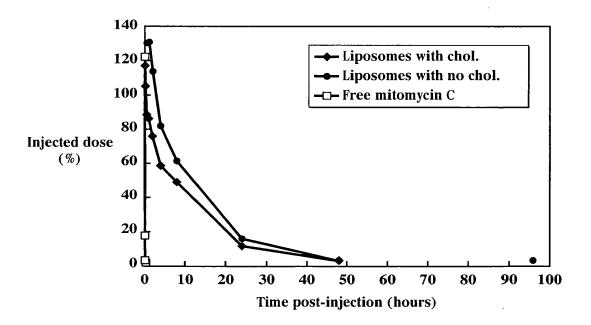


Fig. 13B

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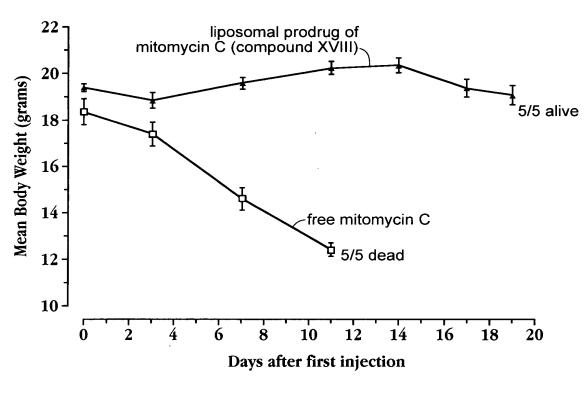


Fig. 14

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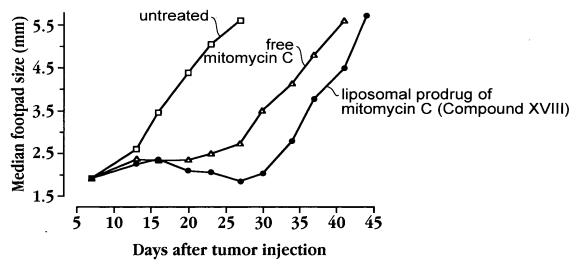
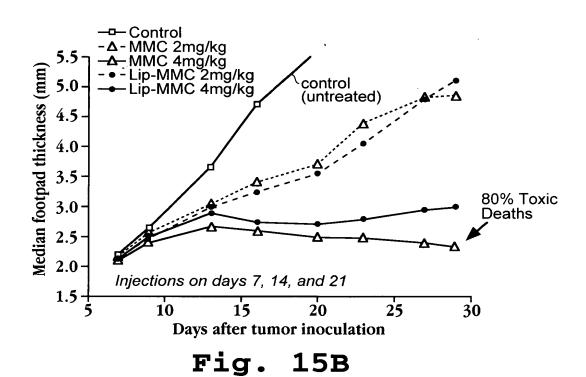


Fig. 15A

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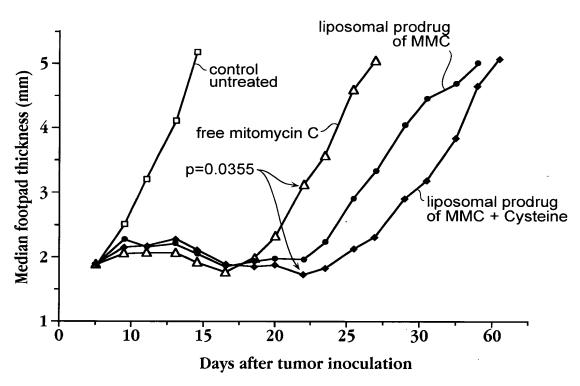
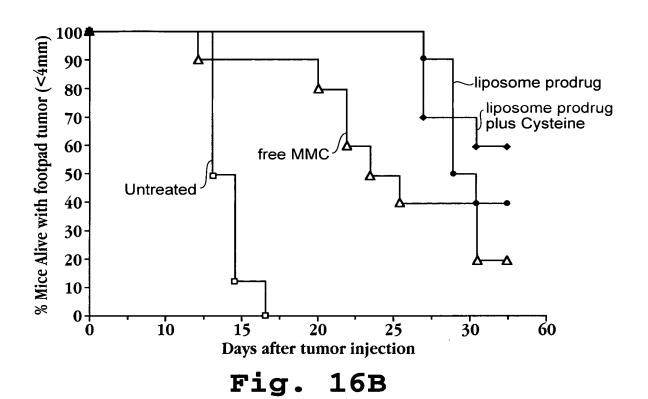


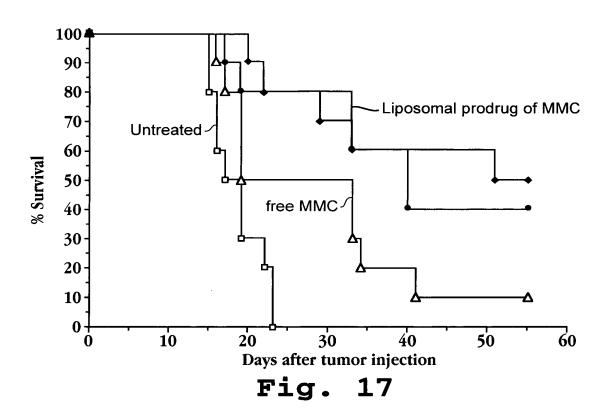
Fig. 16A

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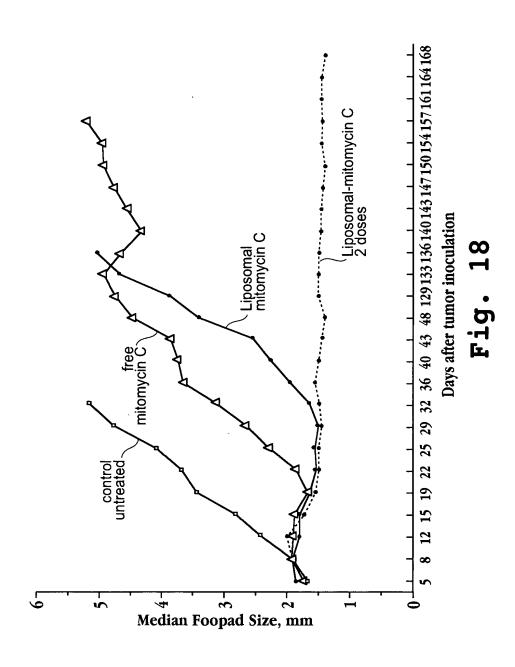


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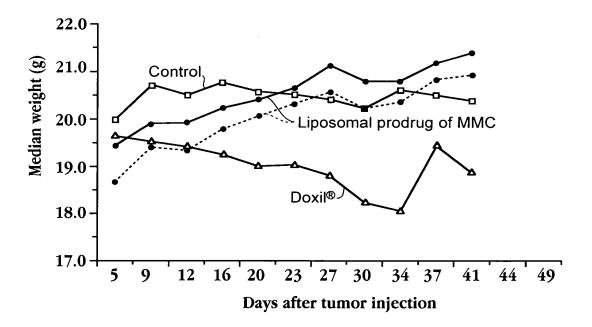


Fig. 19A

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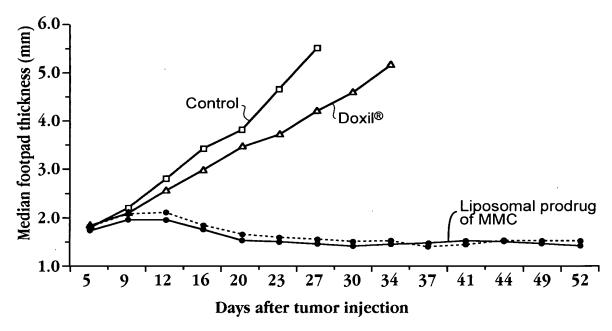


Fig. 19B

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